

Title (en)

AIRCRAFT WITH A PLURALITY OF LIFT AND THRUST ROTORS

Title (de)

FLUGGERÄT MIT EINER MEHRZAHL VON HUB- UND SCHUBROToren

Title (fr)

AERONEF COMPORTANT UNE PLURALITE DE ROTORS DE SUSTANTATION ET DE POUSSEE

Publication

EP 1483526 B1 20061025 (DE)

Application

EP 03711921 A 20030305

Priority

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Abstract (en)

[origin: WO03074924A1] The invention relates to an aircraft comprising a number of lifting rotors and propulsion rotors, provided with an electric motor for each rotor and with a power inverter for each motor. The aim of the invention is to provide an aircraft that has a higher load capacity. To this end, connecting bars are provided between the motors. The invention is based on the finding that connecting bars of this type, when they are arranged in the form of a lattice, enable a light yet stable structure of the aircraft that, correspondingly, can carry heavier loads.

IPC 8 full level

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Citation (examination)

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DOCDB simple family (publication)

WO 03074924 A1 20030912; WO 03074924 A8 20040527; AR 038738 A1 20050126; AT E343756 T1 20061115; AU 2003218686 A1 20030916; AU 2003218686 B2 20070426; BR 0308012 A 20050104; CA 2476749 A1 20030912; CA 2476749 C 20080422; CN 100343120 C 20071017; CN 1639500 A 20050713; CY 1106292 T1 20111012; DE 10209881 A1 20030918; DE 50305485 D1 20061207; DK 1483526 T3 20070226; EP 1483526 A1 20041208; EP 1483526 B1 20061025; ES 2271545 T3 20070416; HK 1071418 A1 20050715; JP 2005526651 A 20050908; JP 2009057044 A 20090319; KR 100612722 B1 20060817; KR 20040094707 A 20041110; PL 209400 B1 20110831; PL 370665 A1 20050530; PT 1483526 E 20061229; US 2005061910 A1 20050324; US 2008006737 A1 20080110; US 7364114 B2 20080429

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